



# SUSTAINABILITY

## AT THE MUSIC CITY CENTER



The Music City Center has 1.2 million square feet of meeting and exhibition space, featuring a 353,143 square foot Exhibit Hall, a 57,500 square foot Grand Ballroom, a 18,000 square foot Davidson Ballroom and a three-level covered parking garage with spaces for 1,800 cars. It also offers 90,000 square feet of meeting space - approximately 60 meeting rooms - and 32 loading docks that provide ultimate flexibility and ease of loading -in/out for meeting and convention planners.

The Music City Center is committed to supporting and encouraging sustainable practices, including the hosting of environmentally friendly “green” meetings. Because conservation of energy and natural resources is a high priority for the Music City Center, we have made substantial efforts to minimize our carbon foot print. The Music City Center is certified LEED® Gold by the US Green Building Council, which means our building will consume on average 20 percent less energy and 40 percent less water than conventionally designed buildings of the same type.

### ITEMS RECYCLED AT THE MCC INCLUDE:

CARDBOARD, MIXED PAPER  
& OTHER PAPER PRODUCTS

ALUMINUM

PLASTIC

PALLETS/WOOD WASTE

TONER/PAINT CARTRIDGES

BATTERIES

FLUORESCENT LIGHT BULBS

FOOD WASTE

ELECTRONICS

### QR CODES

QR codes are located on signs throughout our building to mark our sustainability initiatives.

To use a QR code from your phone:

1. Download an app that reads QR codes
2. Use the app to take a photo of the QR code
3. The QR code will connect you to our website where you can learn more about sustainability at the MCC

## GREEN ROOF (HEAT ISLAND REDUCTION)

One of the Music City Center's most impressive sustainable features is the green roof. Designed to mimic the rolling hills of Tennessee, the roof spans over four acres and is currently the largest green roof in the Southeast. The roof is composed of 14 different types of vegetation and a waterproofing membrane. The green roof is an integral part in our overall sustainability plan, helping to reduce energy usage by absorbing heat and acting as an insulator to reduce the amount of energy needed to provide heating and cooling to the facility. The waterproofing membrane extends the life of the roof by protecting it from UV rays and wind and by absorbing rainwater, thus reducing the amount of storm water runoff. The green roof helps to lower urban air temperatures by reducing the "heat island effect" and also helps reduce air pollution and greenhouse gas emissions. The vegetation on the roof provides a natural habitat for plants, insects and wildlife that would otherwise have limited space in a urban environment.

## WATER CONSERVATION

The Music City Center has implemented a successful comprehensive water management plan. All toilets, urinals and faucets in the MCC utilize low flow technology and are equipped with sensor technology to reduce overall water usage. Storm water runoff and condensation from HVAC equipment is collected in a 360,000 gallon rain water cistern, which provides water to over 500 toilets/urinals and irrigates outdoor landscaping. The MCC also uses water-efficient landscape materials that reduce the amount of water needed for irrigation. Our comprehensive water management plan has the capability to reduce our facility's overall water usage by 40 percent.

## RESPONSIBLE PURCHASING

The MCC purchasing department works with our Sustainability Coordinator to identify and purchase the best environmentally friendly products and supplies for the facility. We purchase renewable resources such as bio-based solvents from citrus, seed, vegetable and pine oils, cleaners in concentrates and reusable/recycled containers.

## GREEN OPERATIONS

The Music City Center reduces their environmental footprint by promoting recycling, buying green office supplies, utilizing green printing/copying procedures, and assisting customers in hosting green meetings. Our "Green Team" comprised of MCC staff members, contractors and IATSE Local 46 members, work to initiate new sustainability practices, educate fellow team members and ensure current procedures are followed. In an effort to increase awareness, we require that all potential vendors complete a sustainability survey which allows the MCC to assess their commitment to the environment.

In an effort to reduce the amount of waste sent to the landfills, the MCC donates all leftover registration materials and leftover or unused food to our various nonprofit organizations.

## GREEN CONSTRUCTION & BUILDING MATERIALS

Designed by Atlanta-based TVS Design, Nashville-based Tuck Hinton Architects, and Moody-Nolan Architects, the 2.1 million square foot Music City Center was designed and constructed with sustainability in mind. Our facility is certified LEED® Gold – Leadership in Energy and Environmental Design – by the U.S. Green Building Council. The goal during construction was to make construction as low-impact as possible using the motto "reduce, reuse, recycle" in our practices. More than 20 percent of all of the materials used in construction contain recycled content. In addition to that, more than 20 percent of the materials used in construction were harvested, extracted, or manufactured regionally, within a 500-mile radius of Nashville. Our team also implemented an extensive recycling program which resulted in diverting more than 50 percent of the construction waste from landfills (15,100 tons) - equivalent to the weight of approximately 2,520 average-sized African elephants.

## ENERGY CONSERVATION

The MCC was designed to consume 20 percent less energy overall. High-Performance HVAC systems can be found throughout the facility which utilize large, low velocity fans that reduce both heating and cooling loads. As lighting can account for 30 percent of energy used in buildings, Music City Center uses occupancy sensors, photo sensors, and dimmable ballasts to modulate the lighting needs and reduce energy use. Energy consumption has also been reduced through the use of LED lighting and other efficient fixture type lighting. Both HVAC and lighting systems are maximized by utilizing scheduling programs to improve efficiency. To reduce solar gain, the MCC was designed so the south side of the building has roof overhangs and the west side of the building has vertical shading. Our building is designed with low-emissivity glass that helps insulate the building by reflecting the heat inside the building in the winter to reduce heat loss. In the summer the glass reflects heat on the outside of the building to reduce the cooling needed by heat gain. An array of 845 solar panels (with the ability to produce 271,000 kW per year) aligns our roof producing renewable energy to assist in powering our HVAC fans throughout the building.

## INDOOR AIRQUALITY

The MCC implemented an indoor air quality control plan and used only low emitting VOC materials (adhesives, sealants, paints, coatings, carpet, composite wood and agrifiber products) during the construction process. The MCC continues to use green cleaning chemicals to maintain good indoor air quality, specifically chemicals that have a low volatile organic compound content and are Green Seal® certified. MCC avoids the use of any and all corrosive and strongly irritating substances. The high-performance HVAC systems and high efficiency air filters help to reduce allergens and dust thus improving overall air quality in our facility.